



National Weather Service

Storm Data and Unusual Weather Phenomena



June 1998

June 1999									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>WISCONSIN, Southeast</u>									
Washington County									
Kewaskum	12	1900CST			0	0	7K		Thunderstorm Wind
Iowa County									
3 SE Helena to 5 SW Helena	18	1100CST			0	0	9K		Thunderstorm Wind
Dane County									
Verona	18	1145CST			0	0			Hail (0.75)
Sauk County									
Lake Delton	18	1145CST			0	0	0.20K		Thunderstorm Wind
Green County									
Browntown	18	1200CST			0	0	5K		Thunderstorm Wind
Columbia County									
Portage	18	1210CST			0	0	4K		Thunderstorm Wind
Sauk County									
Baraboo	18	1226CST			0	0			Thunderstorm Wind (G53)
Green Lake County									
Green Lake	18	1230CST			0	0	1K		Thunderstorm Wind
Dane County									
Madison	18	1245CST			0	0	0.70K		Lightning
Marquette County									
Oxford	18	1250CST			0	0	2K		Thunderstorm Wind
Rock County									
Clinton to 2.5 NE Clinton	18	1515CST			0	0	57K		Thunderstorm Wind
Rock County									
Edgerton	18	1530CST			0	0	11K		Thunderstorm Wind
Walworth County									
1.5 N Darien	18	1530CST			0	0	2K		Thunderstorm Wind
Walworth County									
2.5 N Elkhorn	18	1600CST			0	0	3K		Thunderstorm Wind
Sauk County									
Reedsburg	18	1605CST			0	0	1K		Thunderstorm Wind
Iowa County									
3 SW Helena	18	1630CST			0	0	950K		Thunderstorm Wind
Lafayette County									
1 N Benton	18	1630CST			0	0	1K		Thunderstorm Wind
Waukesha County									
Nashotah	18	1630CST			0	0	5K		Lightning
Iowa County									
1 E Montfort Jct to Cobb	18	1635CST 1640CST			0	0	3K		Thunderstorm Wind
Iowa County									
.5 E Montfort Jct	18	1640CST			0	0	4K		Thunderstorm Wind
Iowa County									
Clyde to 5 SE Clyde	18	1655CST 1700CST			0	0	7K		Thunderstorm Wind
Sauk County									
La Valle to 3 S Reedsburg	18	1658CST 1705CST			0	0	40K		Thunderstorm Wind (G56)



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<u>WISCONSIN, Southeast</u>									
Rock County Janesville	18	1700CST			0	0	19K		Thunderstorm Wind (G52)
Dane County Middleton to Fitchburg	18	1715CST 1720CST			0	0	200K		Thunderstorm Wind
Lafayette County Elk Grove	18	1730CST			0	0			Urban/Sml Stream Fld
Jefferson County Jefferson to Ft Atkinson	18	1750CST			0	0	6K		Thunderstorm Wind
Washington County West Bend	18	1802CST			0	0			Thunderstorm Wind (G52)
Waukesha County 3.5 W Dousman to Waukesha	18	1825CST 1855CST			0	0	30K		Thunderstorm Wind
Walworth County Countywide	18	1830CST 1900CST			0	0	27K		Thunderstorm Wind
Rock County Footville	18	1835CST			0	0	5K		Thunderstorm Wind
Rock County Janesville	18	1857CST			0	5			Lightning
Milwaukee County Milwaukee	18	1900CST			0	0			Thunderstorm Wind (G55)
Washington County Slinger	18	1900CST			0	0			Thunderstorm Wind (G52)
Kenosha County Trevor	18	1915CST			0	0	2K		Thunderstorm Wind
Milwaukee County Fox Pt	18	1915CST			0	0	3K		Lightning
Sheboygan County Sheboygan	18	1930CST			0	0			Thunderstorm Wind (G52)
Sheboygan County Sheboygan	18	1959CST			0	0	1K		Thunderstorm Wind

Scattered thunderstorms developing around the noon hour became more numerous and intensified to severe levels over southern Wisconsin by evening. Hardest hit was Rock County where two gustnadoes roared through the Clinton area producing winds estimated at 70 to 80 mph, toppling trees and power lines, and causing damage to 15 homes. Residents of Beloit and Janesville, also in Rock County, were left without electricity overnight due to widespread tree and power line damage from thunderstorm winds. Elsewhere, scattered tree and power line damage was reported with numerous wind gusts between 60 and 70 mph raking southcentral and southeast Wisconsin. A great financial and historical loss was suffered at Taliesin (Iowa Co.) where a 220 year old oak tree crashed into the studio wing of the architectural landmark. So many trees were toppled in Tower Hill State park near Taliesin that the park was closed to the public for several days. Lightning and torrential rains played havoc in isolated areas with a home fire reported in Nashotah of Waukesha county and 5 people incurring temporary electrical shock in Janesville of Rock county. A few rainfall totals included 2.6 inches near Cuba city in Lafayette county and 2.67 inches measured at the Madison's Dane County Regional Airport. At one point 4 inches of standing water was reported in the streets of Madison that evening



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<u>WISCONSIN, Southeast</u>									
Sauk County 3 S Reedsburg	20	1815CST			0	0			Thunderstorm Wind (G55)
Sauk County Baraboo	20	1900CST			0	0	1K		Thunderstorm Wind
Dane County De Forest	20	1928CST			0	0			Hail (1.00)
Waukesha County Waukesha	24	0500CST			0	0	6K		Lightning
Lightning ignited a fire in the attic of a home.									
WIZ066	Milwaukee								
	25	0600CST 2200CST			0	21			Excessive Heat
High levels of heat and humidity over Milwaukee County, amplified by the "urban heat-island" effect, resulted in 21 people being treated at area hospitals for heat-related injuries/exhaustion. The Mitchell International Airport morning low was 72 and the daytime maximum was 95, while minimum relative humidities were only 40 to 45 percent, yielding heat index values of 100 to 104. Dewpoints were around 70 degrees.									
Iowa County Clyde	25	1545CST			0	0	2K		Thunderstorm Wind
Iowa County Ridgeway	25	1800CST			0	0	2.5K		Thunderstorm Wind
Rock County 2.3 WNW Leyden to 1 NNE Leyden	25	1805CST 1820CST	2.5	100	0	0	845K	3K	Tornado (F2)
Green County 3 NE Albany	25	1810CST			0	0			Funnel Cloud
Green County 2 NW Brodhead	25	1815CST			0	0		0.50K	Hail (1.00)
Rock County Janesville to Milton	25	1818CST 1820CST			0	0		1K	Hail (1.00)
Rock County Janesville	25	1848CST			0	0		3K	Hail (2.00)
Jefferson County Palmyra	25	1900CST			0	0	2K		Thunderstorm Wind
Rock County Janesville to Emerald Grove	25	1925CST 1930CST			0	0	4K		Thunderstorm Wind (G56)
Walworth County 3 W Elkhorn	25	1944CST			0	0			Thunderstorm Wind (G60)
Green County Juda	25	1945CST			0	0	5K		Thunderstorm Wind
Walworth County Lake Geneva	25	1950CST			0	0	3K		Thunderstorm Wind
Kenosha County Kenosha Muni Arpt	25	2005CST			0	0			Thunderstorm Wind (G50)
Kenosha County Silver Lake to Paddock Lake	25	2005CST 2010CST			0	0	50K		Thunderstorm Wind



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WISCONSIN, Southeast

Racine County

Burlington to Kansasville	25	2010CST 2020CST			0 0	75K	Thunderstorm Wind
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Kenosha County

Bristol to Kenosha	25	2025CST 2030CST			0 0	200K	Thunderstorm Wind
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Racine County

2 N Racine	25	2030CST			0 0	3K	Lightning
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Severe thunderstorms packing winds between 60 and 70 mph and producing hail between 1 and 2 inches in diameter caused significant damage to property and crops. Kenosha and Racine counties experienced some of the worst destruction with 40,000 homes and businesses left without power due to the high number of trees and power lines downed. In the city of Racine a tree fell on a home and another tree crushed an automobile. In Kenosha county, siding was ripped off the side of a Bristol business and metal signs were blown down on Interstate 94. Hidden among the thunderstorms was a lone F2 tornado that took aim on northern Rock county, destroying 3 homes and damaging 4 others. A barn and 2 sheds were also destroyed. Three garages and 3 cars were damaged and a 20 foot beam was found anchored in the ground at a 45-degree angle in the storms aftermath. Fortunately there were no deaths or injuries. This tornado touched down just southwest of a railroad track 2.3 miles west/northwest of Leyden and lifted just east of Highway 184, 1 mile north/northeast of Leyden. Eyewitness reports suggest that this slow moving tornado had a second vortex at one time, and at another time it was nearly stationary for a couple minutes. The slow movement enhanced the destruction. At least 3 individuals video-taped it. Maximum winds were estimated to be about 150 mph.

Walworth County

Sharon	26	0200CST 0800CST			0 0		Urban/Sml Stream Fld
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The Little Sharon Creek overflowed due to heavy a rainfall of 3.5 inches in it's watershed overnight and flooded nearby Highway 67 with 1 foot standing water.

Marquette County

Oxford	27	0118CST			0 0		Thunderstorm Wind (G52)
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Marquette County

2.5 SW Westfield	27	0130CST 0230CST			0 0		Urban/Sml Stream Fld
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Sauk County

Baraboo	27	0155CST			0 0	3K	Thunderstorm Wind
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Green Lake County

Green Lake	27	0201CST			0 0	3K	Thunderstorm Wind
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Columbia County

Portage	27	0220CST			0 0	2K	Thunderstorm Wind
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Fond Du Lac County

2 N Eldorado	27	0230CST			0 0	5K	Thunderstorm Wind
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Dane County

Madison	27	0302CST			0 0	3K	Thunderstorm Wind (G60)
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Washington County

West Bend	27	0307CST			0 0	5K	Thunderstorm Wind
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Rock County

Evansville	27	0415CST			0 0	3K	Thunderstorm Wind
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Early morning thunderstorms, some of them severe, rolled east across southcentral and southeast Wisconsin. Straight-line downburst winds of 60 to 70 mph associated with the severe storms pushed over large trees and toppled some power lines. Heavy rains of 1.08 inches in 28 minutes ending at 0142CST resulted in urban /small stream flooding southwest of Westfield in Marquette County. The



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WISCONSIN, Southeast

powerful winds, blinding rain, and high waters forced a rescue of 61 campers on a Wisconsin River sandbar east of Portage on the Sauk County side of the river. In West Bend (Washington Co.), about 1500 customers lost electricity due to toppled powerlines.

Sauk County Baraboo	27	2036CST			0 0	2K	Thunderstorm Wind (G50)
Sauk County La Valle	27	2041CST			0 0	0.10K	Thunderstorm Wind (G51)
Sauk County Loganville	27	2126CST			0 0	3K	Thunderstorm Wind (G56)
Columbia County Poynette	27	2130CST			0 0	4K	Thunderstorm Wind
Marquette County Montello	27	2130CST			0 0	5K	Thunderstorm Wind
Dane County 1 E De Forest	27	2150CST			0 0	2K	Thunderstorm Wind
Green Lake County Berlin to Green Lake	27	2200CST 2215CST			0 0	6K	Thunderstorm Wind
Iowa County Dodgeville	27	2200CST			0 0	3K	Thunderstorm Wind
Dane County Belleville	27	2210CST			0 0	3K	Thunderstorm Wind (G56)
Rock County 2 E Janesville	27	2315CST			0 0	1.5K	Thunderstorm Wind
Walworth County Elkhorn to Lake Geneva	27	2335CST 2345CST			0 0	4K	Thunderstorm Wind (G52)
Waukesha County Elm Grove	28	0000CST			0 0	10K	Lightning
Milwaukee County St Francis	28	0030CST			0 0	20K	Lightning
Lafayette County Belmont	28	0045CST			0 0	2K	Thunderstorm Wind
Lafayette County Lamont	28	0100CST 0115CST			0 0	3K	Thunderstorm Wind
Dane County Belleville	28	0130CST			0 0	2K	Thunderstorm Wind
Green County Monroe	28	0145CST			0 0	20K	Thunderstorm Wind
Dane County 2 E Cottage Grove	28	0150CST			0 0	1K	Lightning
Dane County Albion	28	0415CST			0 0	100K	Lightning

Additional rounds of severe thunderstorms possessing damaging straight-line winds of 60 to 65 mph struck southcentral and southeast Wisconsin for the second time on the same day. In this episode, the severe storms extended into the early morning hours of the next day. The bulk of the damage consisted of numerous large trees pushed over by the powerful winds. Some powerlines were also toppled. In Sauk County, the winds pushed in a window of a home in La Valle. About 600 homes lost electricity due to downed powerlines. In Dane County, a Belleville home suffered damage to its soffits. In Green County, a fallen tree in Monroe crushed a pickup truck and also damaged a car. A golf country club near Monroe was closed for 6 hours on the 28th in order for work crews to clean up tree debris. In Dane County, lightning struck a home east of Cottage Grove and left some smoke damage, but there was no fire. Another lightning strike in Albion (Dane Co.) started a fire that burnt a pole shed to the ground. The fire



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WISCONSIN, Southeast

destroyed a mobile home, 2 field tractors, a garden tractor, and tools that were in the shed. In Waukesha County, lightning struck the Elm Grove Village Hall, knocking out its 911 system and damaging office PC's. There was no fire. In Milwaukee County, lightning struck a St Francis home, resulting in an attic fire and water damage.

Lafayette County Shullsburg

29	1515CST	0	0	4K	Lightning
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Rock County Orfordville

29	1630CST	0	0	15K	Lightning
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Scattered late afternoon thunderstorms over southcentral Wisconsin generated lightning strikes that resulted in damage. In Lafayette County, lightning struck a Shullsburg church steeple's lightning rod and jumped to a nearby telephone pole. The church steeple was scorched, but there was no fire. The telephone pole was shattered and then 2 TV sets in nearby homes were damaged. In Orfordville, lightning struck a fuse box on a pole, reducing voltage to 4 nearby businesses and one home. A couple phone lines, home PC's, and a satellite dish were damaged.